



Dart Aerospace Ltd.
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D044-715-011
Job Sheet 176629



Part No: D044-715-011

Job Qty: 2 ea

Part Name: R44 Cargo Mirror



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 4/26/18

Job Tracking No:

Due Date: 5/15/18

Created By: Michelle Gagnon-Donovan

Type: SOLD

Description:

Note: DWG D3243 REV A, IIN-D044-715 REV A IPP Rev:A 04.02.18 New issue KJ/JLM IPP Rev:B 06-04-28
Manufactured on Water Jet JLM IPP Rev:C 08-06-10 as per ECN1195p DD verified by:EC IPP Rev:D 11.05.04
remove FE-032-EF DD verified by:EC

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	2 Ea	5/15/18	5/15/18	0.00	0.00	Start Up Stores/Pkg-1		MAY 02 2018
110	Packaging	2 pcs	5/15/18	5/15/18	0.00	0.00	Packaging1-1		MAY 02 2018
120	QC	2 pcs	5/15/18	5/15/18	0.00	0.00	QC4		DAS
125	DC	2 pcs	5/15/18	5/15/18	0.00	0.00	DC		58
130	Packaging	2 pcs	5/15/18	5/15/18	0.00	0.00	Packaging3-1		18/05/18
140	QC21-FG	2 Ea	5/15/18	5/15/18	0.00	0.00	QC21		18/05/18

Part Op 125 - Photocopy bluefile & type labels per PPPD044-715-011 CHG003
Descriptions: 130 - Identify and pack for shipping as per PPP D044-715-011 LOCATION: FG011

DAS
21
9-59

MAY 02 2018
MAY 02 2018

FG011

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
ALS4-1032-130	Rivnut	8 Ea (4 ea)	90-Start up Operation	5000063
AN3-4A	Bolt	8 Ea (4 ea)	90-Start up Operation	5000063
AN526C1032R10	Screw	8 Ea (4 ea)	90-Start up Operation	5000063
D1048	Clamp	4 Ea (2 ea)	90-Start up Operation	5000063
D1049	Saddle	4 Ea (2 ea)	90-Start up Operation	5000063
D2010-104	Arm	2 Ea (1 ea)	90-Start up Operation	5000063
D2011-101	Mirror 6"	2 Ea (1 ea)	90-Start up Operation	5000063
D3243-041	Bracket	2 Ea (1 ea)	90-Start up Operation	5000063
NAS1149D0332J	Washer	8 Ea (4 ea)	90-Start up Operation	5000063

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Date: 05/02/18

Inspector:
Revision:

Part: D044-715-011
Job No: 176629
Serial No/Batch: S067626



Container No: S067626

CART
AEROSPACE

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**Job Allocations**

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	ALS4-1032-130	8	14,473	0
	AN3-4A	8	429	0
	AN526C1032R10	8	81	0
	D1048	4	14	0
	D1049	4	12	0
	D2010-104	2	5	0
	D2011-101	2	36	0
	D3243-041	2	6	0
	NAS1149D0332J	8	2,465	0

Part Specifications

Specifications could not be found.

Plex 4/26/18 1:24 PM Dart.Gagnon.Michelle

2. GENERAL NOTES

COMPATIBILITY

Compatibility of this installation with the aircraft is the **responsibility of the installer**. Ensure that this installation does not conflict with a previous modification.

CONTINUING AIRWORTHINESS

This installation should be maintained in accordance with the Instructions for Continued Airworthiness ICA-D044-715.

3. INSTALLATION INSTRUCTIONS

To install the Dart Cargo Mirror Installation on the R44 skidtube:

1. Locate the D3243-041 Bracket with approximately 0.38" (10mm) space between the top of the skidtube and the bracket, as shown in Figure 2. Transfer drill the 4 holes from the bracket to the centerline of skidtube and enlarge to 10/64" (Ø0.297"). Deburr holes and wet install ALS7-1032-130 inserts using MIL-P-85582 or MIL-P-23377 primer.
2. Install the D3243-041 Bracket on the skidtube using the AN3 hardware. The bolts should be sealed with Sikaflex-241/-291 or Proseal 890 or MIL-S-8802 Class 'B2' sealant before installing as per Figure 2.
3. Install remaining hardware per Figure 2 as required. Adjust the angle of the D2010-104 Arm and tighten the AN526C1032R10 screws to secure arm.
4. To adjust the mirror: loosen (DO NOT REMOVE) the three adjustment screws shown in Figure 2, reposition the mirror, then tighten the screws.

4. WEIGHT AND BALANCE

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D044-715-011 Cargo Mirror Installation	1.3 lb 0.59 kg	41.7 in 1.06 m	54.2 lb-kG 0.63 m-kG	32.0 in 0.81 m	41.6 in-lb 0.48 m-kG

5. PARTS LIST

Qty	Part Number	Description
X	D044-715-011	CARGO MIRROR INSTALLATION
2	D1048	Clamp
2	D1049	Saddle
1	D2010-104	Arm
1	D2011-101	Mirror
1	*D3014-1	Locknut
1	D3243-041	Bracket
4	ALS7-1032-130	Insert (or AKS7-1032-130, AKS4-1032-130, ALS4-1032-130)
4	AN3-4A	Bolt
4	AN526C1032R10	Screw (or AN526-1032R10)
4	AN960JD10L	Washers
1	*AN960JD416L	Washer

* PARTS ARE INCLUDED WITH D2011-101 MIRROR

Change Record

Part Number D044-715-011
Description 244 CARGO MIRROR

Page 1 of 1[illegible]

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY																																																											
☐ Environment	☐ Design	☐ Doc/Data	☐ Equip/Tooling	☐ Handling/Pre	☐ Material	☐ Internal Transport	☐ Tribal Knowledge	☐ LOA	☐ Substation	☐ Past Expiry Date	☐ Misidentified	☐ No Re-verification	☐ Operator	☐ Offset/Setup	☐ Supplier	☐ Training	☐ Use for Testing	☐ Poor Information	☐ Rushing	☐ Product Improvement	☐ Process Improvement	☐ Manufacturing Process	☐ Past Due	☐ Pressure/Forced	☐ Bending	☐ Centre Not Concentric	☐ Cracks	☐ Crimp/Kink/Ripple/Wave	☐ Cuffs	☐ Crushing	☐ Heat Treat	☐ Wave/Twist in Tube	☐ Marks/Chatter	☐ Temperature/Cure	☐ Set-up	☐ BOM/Route	☐ Broken/Damage/Defect	☐ Inspection Incomplete/Unqualified	☐ Contamination	☐ Countersink	☐ Cut Too Short	☐ Instructions Incomplete/Unclear	☐ Drill Holes	☐ Power Loss/Surge	☐ Folio/Program	☐ Grain	☐ Weld	☐ Wrong Stock Pulled	☐ Out of Sequence	☐ Off-set	☐ Mislabeled	☐ Fit/Function	☐ Misaligned/off center	☐ Positioned Wrong	☐ Outside Dimensions	☐ Over/Under tolerance	☐ Part Incorrect	☐ Part Lost/Missing	☐ Part Moved	☐ Drawing	☐ Finish	☐ Misread	☐ Turning Sequence
																								☐ OTHER : _____																																							